



0630-0401P

THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: J. Lee Hyung et al

Serial No.:

Group:

Filed: April 13, 1994

Examiner:

For: APPARATUS FOR CONTROLLING RECORDING AND REPRODUCTION IN  
DIGITAL VIDEO CASSETTE TAPE RECORDER

L E T T E R

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

April 13, 1994

Sir:

Under the provisions of 35 USC 119 and 37 CFR 1.55(a), the  
applicant hereby claims the right of priority based on the following  
application(s):


<u>Country</u>	<u>Application No.</u>	<u>Filed</u>
SOUTH KOREA	6441/1993	04/16/93

A certified copy of the above-noted application(s) is(are)  
attached hereto.

Please charge any fees under 37 CFR 1.16 - 1.21 (h) or credit  
any overpayment to Deposit Account No. 02-2448.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH

By:   
JOSEPH A. KOLASCH  
Reg. No. 22,463

P. O. Box 747  
Falls Church, Virginia 22040-0747

Attachment  
(703) 205-8000

수신: 장운하 대리.

情報番號 : 00104 - 440 -		稟 報 通 告		업무재량권 규정에 의한 재량권자 (장운하)							
保存年限 : 3 년		起案日字: 1996年 7月 26日									
起案部署	특허전략팀	管理者	任 員	顧 客							
起 案 者	윤 두 현 (7-7052)										
受 價 (參 照)											
最終決裁者	可	否	保 留								
指 示											
合議部署	確認部署	意 見									
題 目	해외 등록특허 연차료 납부 관리 위탁 품의										
<p>특허연차료 관리 전문회사에 敝社 해외 등록 특허의 年次料 납부를 위탁 관리코자 아래와 같이 품의 드리오니 재가바랍니다. ( '96.6.25 전사특허팀장회의에서 CONSENSUS畢 )</p> <p style="text-align: center;">- 아 래 -</p> <p>1. 배 경 (위탁관리 필요성)</p> <ul style="list-style-type: none"> <li>○ 해외 등록건수의 증가로 관리 대상 국가가 다양해지고, 국가별로 납부비용과 특허제도가 달라 연차료 관리가 점차 복잡하고 어려워짐</li> <li>○ 등록건수 증가와 해외 특허사무소를 통한 연차료 납부로 관리비용 증가</li> <li>○ 사업장에서는 출원관리 업무 이관후 연차료 납부 경험이 적어 연차료 납부 누락으로 인한 중요권리 상실 가능성 증대</li> </ul> <p>2. 목 적 / 효 과</p> <ul style="list-style-type: none"> <li>○ 전문회사 위탁으로 관리비용 절감</li> </ul> <table border="1" style="width: 100%;"> <thead> <tr> <th>지급까지</th> <th>개선방안</th> <th>절감비용</th> </tr> </thead> <tbody> <tr> <td>국내 및 해외사무소에 납부의뢰 국내 3만원/건, 해외 \$150/건 연간 1억 5,000만원</td> <td>연차료 납부회사에 관리 위탁 : \$50~\$300 연간 2,500만원</td> <td>연간 1억 2,500만원</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>○ 위탁관리에 따른 일반관리업무 감소 <ul style="list-style-type: none"> <li>- 사업장은 전문회사에서 송부한 연차료 납부대상 LIST에 납부여부만 CHECK</li> <li>- 납부비용은 청구서 1장으로 일괄 처리</li> </ul> </li> <li>○ 관리부실로 인한 권리 상실 방지 <ul style="list-style-type: none"> <li>- 전문 PROGRAM에 의한 관리 철저 및 문제 발생시 손해배상 책임보증 실시</li> </ul> </li> </ul>						지급까지	개선방안	절감비용	국내 및 해외사무소에 납부의뢰 국내 3만원/건, 해외 \$150/건 연간 1억 5,000만원	연차료 납부회사에 관리 위탁 : \$50~\$300 연간 2,500만원	연간 1억 2,500만원
지급까지	개선방안	절감비용									
국내 및 해외사무소에 납부의뢰 국내 3만원/건, 해외 \$150/건 연간 1억 5,000만원	연차료 납부회사에 관리 위탁 : \$50~\$300 연간 2,500만원	연간 1억 2,500만원									

미래에 도전하는 행동인,  
개성을 발휘하는 조직인,

창조성이 풍부한  
생활문화에 공헌하는

전문인  
국제인

LG 전자

### 3. 요청사항

- 본 데이터 ERROR시 많은 비용과 노력을 투자하여 등록 받은 귀중한 특허를 일시에 망실할 우려가 있으므로 정확히 확인하여 수정하여 주시기 바랍니다.  
(수정사항은빨간색 볼펜으로 표기 要)
- 11월 15일까지 검토 완료하여 특허전략팀에 도착 될수 있도록 하여 주시기 바랍니다.

- 끝 -

[Handwritten] To: Assistant Manager Un-gyu Jang

Information Number: 00104-440

Retention Period: 3 Years

Consultation (X) Report ( ) Communication (X)

Person with Discretionary Power under Regulations Governing Operational Discretionary Power (Officer in Charge)

Draft Date: July 26, 1996

Drafting Office: Patent Strategy Team

Drafted by: Du-hyeon Yun (seal) [signature] (Tel: 7-7052)

Approval: Person in Charge: [signature] Officer: [signature] [name illegible] Customer:

To (CC):

Instructions of Person with Final Approval Authority: Approved ( ) Disapproved ( ) Pending ( )

Office Consulted:

Name of Verifying Party:

Opinion:

Subject: Consultation on Commissioned Management of Annual Fee Payment for Foreign Registered Patents

As described below, we want to delegate management of annual-fee payments for our company's foreign registered patents to a company specializing in management of annual patent fees, and hereby request your approval for this. (Based on consensus reached in meeting of enterprise patent team managers on June 26, 1996.)

1. Background (Need for Commissioned Management)

- Growth in the number of foreign registered patents has produced an increase in the variety of countries requiring management, and payment expenses and patent systems differ from country to country, gradually making management of annual fees more complex and difficult.
- Management expenses increase with an increased number of registrations and with payment of annual fees through foreign patent offices.
- Following transfer of patent management operations at business units, there is a much greater chance that important rights will be lost because of annual-fee payments omitted due to a lack of related experience.

2. Purpose and Effect

- Reduce management costs by hiring specialized company to perform related operations

Up to Present	Improvement Plan	Cost Savings
Domestic and foreign offices hired to perform payment operations. Domestic: 30,000 won/patent, Foreign: \$150/patent, Annual: 150 million won	Annual-fee payment company commissioned to perform management operations: \$50-\$39, Annual: 25 million won	Annual: 125 million won

- Commissioned management produces reduction in general management operations.
  - The business unit checks only whether payments were made using a list of annual-fee payments sent by the specialized company.
  - Payment expenses are batch processed with one invoice.
- Loss of rights due to poor management prevented.
  - A specialized program ensures thorough management and performs claim liability assurance [operations] in the event a problem occurs.

LG Electronics: A doer challenging the future; a specialist rich in creativity; an organizer displaying individuality; an international contributing to life and culture

### 3. Requests

- Please verify accuracy before making corrections as errors in this data could result in the loss, all at once, of precious patents registered with the investment of considerable expense and effort.  
(Corrections should be marked with a red pen.)
- Please complete your review and ensure that the Patent Strategy Team gets it by November 15.

-- End --



LG 전자

발신 No : (02) 3777-5151

수신 No : (02)

수 신 : 박장원 특허법률사무소  
참 조 : 김승렬 부장님  
발 신 : LG전자 특허전략팀 윤 두 현  
제 목 : LG 등록특허 관련 자료 요청

1996. 8. 26.

폐사의 해외 특허출원 업무를 적극 도와주고 계시는 귀 사무소의 노고에 감사드립니다.  
귀 사무소에서 출원한 폐사 등록특허의 연차등록료 납부현황을 확인코자하오니 첨부한 양식에 의거하여 자료를 작성하여 송부해 주시면 고맙겠습니다.

- \* 현재 등록된 사건을 중심으로 작성하고 과거 LG통신(주)건도 포함 요망
- \* 가능한 9월2일 까지 부탁드립니다.

- 끝 -

조재연 : EXCEL DATA 및 DOCUMENT 송부

박장원 : DB에 DATA

김동일 : DB에 (Rev 2.5)

하영진 : Document



LG Electronics

Sender No.: (02) 3777-5151

Recipient No.: (02)

To: Jang-won Pak Patent & Law Office  
CC: General Manager Seung-ryeol Kim  
From: Du-hyeon Yun, Patent Strategy Team, LG Electronics  
Subject: Request for Data Related to LG Registered Patents

August 26, 1996

I would like to thank your office for its efforts in actively helping us with our foreign patent-application operations. We want to check the payment status of annual registration fees on our registered patents, for which your office filed applications, so I would appreciate it if you would prepare this data using the attached form and send it to us.

- Please prepare data centered on currently registered patents, and include items [previously registered by] LG Telecom Co., Ltd.
- Please do this by September 2, if possible.

-- End --



## Office Name:

LG File No.

Country

Application Date

Publication Date

No. of Independent Claims

Due Date

### Paid Annual Fees

Right Expiration  
DateBusiness Unit  
Name[illegible]

MARKPRO

CENTRAL P.O. BOX 58,  
SEOUL, KOREA

MARKPRO COMPANY

7TH FLOOR, KFSB BLDG.,  
16-2 YEOEUDO-DONG,  
YEONGDEUNGPO-GU,  
SEOUL, KOREA

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FAX; (822)785-3043

(822)785-2004

Internet :ID:

markpro@nuri.net

수신 : 엘지전자  
참조 : 특허전략팀 / 과장 윤두현  
발신 : (주)마크프로  
제목 : 해외연도금 List 송부

1996.10.24

1. 귀사 발전을 기원합니다.

2. 저희회사는 귀사로부터 해외에 등록된 특허와 실용신안의 연차료 관리 위임에 따른 관련 DATA(중 1,397건)를 인수받았습니다. 이에 따라서, 보내 주신 귀사 보유의 LIST와 각 대리인 사무소의 LIST를 비교 검토하여 등록 건의 LIST를 대리인 별로 작성하여 보내드립니다.

3. 동봉된 LIST에서 빨간 펜으로 표시한 부분은 대리인 사무소의 LIST에는 있지만 귀사 보유의 LIST에는 없는 건입니다. (등록번호 위에 "V" 표시)

4. 동봉된 LIST중에서 대리인 코드가 LG로 되어있는 LIST는 귀사보유의 LIST에는 있지만 대리인 사무소의 LIST에는 없는 건입니다.

5. 동봉한 LIST 상의 파란 밑줄이 표시된 부분은 그 항목을 확인하신 후 표시하여 보내 주시면 당사의 DATA를 수정하겠습니다.

6. 대리인 사무소의 LIST와 귀사 보유의 LIST중 서로 상이한 부분을 별첨하여 보내드리오니 확인하여 알려주시기 바랍니다.

7. 참고로, 등록번호와 등록일이 없는 건은 입력하지 않았습니다.(등록후의 건만 당사에서 관리하기로 함)

8. 대리인 코드 (PJW4)의 LIST중에서 U.S.A. 특허 중 등록번호 4961009 (2PAGE에 평광펜으로 표시함)가 엘지반도체 관리건으로 되어 있습니다. 확인하여 알려주시기 바랍니다.

9. 아래의 EP건은 지정국을 표시하여 주시기 바랍니다. 또한 10월 14일자 FAX에서 언급하신 등록번호가 다른건과 상이한 형태의 2건중 91224689.8 (Your ref.: 91042G5)은 대리인 사무소의 LIST에 없으므로 정확한 등록번호를 알 수 없습니다.

↓  
VDP연차

별첨 (북머사루실 DATA와 귀사의 DATA가 서로 상이한 건)

\* 등록번호가 서로 상이한 건 \*

권리	국가	등록번호	Your ref.	출원번호	사업장명
		(북사 DATA/LG DATA)			
P 86195	CANADA	1263743 / 1263943	H104	517965	TV(연)
P 88464	CANADA	1321016 / 13211016	H286	570652	TV(연)
P	CANADA	2022219 / 202219	H640	2022219	VIDEO(연)
P	FRANCE	8607469 / 2582386	H42	8607469	조리기기
P	FRANCE	8607879 / 2582866	H44	8607879	TV(연)
P	FRANCE	8616656 / 2591053	H100	8616656	조리기기
P	FRANCE	8617222 / 2591378	H97	8617222	VIDEO(연)
P	FRANCE	8617286 / 2591318	H110	8617286	조리기기
P	FRANCE	8617867 / 2591379	H96	8617867	VIDEO(연)
P	FRANCE	8716507 / 2609230	H224	8716507	조리기기
P	FRANCE	8817005 / 2625065	H403	8817005	생시연
P	FRANCE	8817006 / 2625066	H397	8817006	생시연
P	FRANCE	8911391 / 2651361	H455	8911391	M/T
P	FRANCE	9009761 / 2650429	H642	9009761	VIDEO(연)
P	FRANCE	9015772 / 2656183	H754	9015772	TV(연)
P	FRANCE	9313197 / 2697923	93-233G4	9313197	안양LCD연구소
P	GERMANY	3716425 / 3716425.2	H156	P3716425.2	TV(연)
P	GERMANY	3744616 / 3744616.9	H256	P3744616.1	VIDEO(연)
P	GERMANY	4002582 / 4002582C2	H511	P4002582.9	영미(연)
P	GERMANY	4027206.0 / 4027206	H661	P4027206.0	금전 생시(연)
P 91408	GERMANY	4141871 / 4141872C2	91-186G3	P4141871.9	VIDEO(연)
P	GERMANY	4143096 / 4143096C2	91-058G3	P4143096.4	VDP(연)
P	GERMANY	744471 / 3744471	H268	P3744471.9	구미TV(연) → 우해무연 X
P	GERMANY	P4239011.7 / 4239011	92126G3	P4239011.7	비디오연구소 → "
P	ITALY	1243652 / 1243653	H616	46868A/90	평택A비디오(연) → "
P	JAPAN	1506771 / 1503771	H14/H15	58-013000	비디오(연) → "
P	U.S.A.	4900989 / 4900988	H269	07/140095	구미TV(연) "
P	U.K.	2235847 / 2235847B	HS83	9014145.8	TV(연)
P 91196	U.K.	2249201 / 2249210B	91-131G4	9116374.1	VIDEO(연)
P	U.K.	2259219 / 2259219B	92-120G4	9217978.7	VIDEO(연)
P	U.K.	2261305 / 2261305B	92-116G4	9223362.6	비디오(연)
P	U.K.	2266785 / 2266785B	93-049G2	9308398.8	중앙(연)

\* 등록번호 및 출원일자가 서로 상이한 건 \*

권리	국가	등록번호	Your ref.	출원번호	출원번호	사업장명
		(북사 DATA/LG DATA)			(북사 DATA/LG DATA)	
백남원 X -P	GERMANY	3837049.2/3837049	H379	P3837049.2	1988.10.31/1988.11.07	텍A비디오(연)
P 91208	U.S.A.	5532831/5532821	94-034G1	08/208302	1994.03.10/1994.03.18	영미(연)

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(822) 785-2004  
Internet: ID:  
markpro@nuri.net

October 24, 1996

To: LG Electronics  
CC: Manager Du-hyeon Yun, Patent Strategy Team  
From: Markpro Company  
Subject: Transmission of Foreign Annual Fee List

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1. May your company prosper.
2. Related data (total of 1397 cases) was transferred to our company after your company delegated to us management of annual fees for patents and utility designs registered overseas. Accordingly, we have compared and reviewed your company's list, which you sent, with lists from the offices of each agent, and have created an agent-specific list of registered patents, which we are sending.
3. Sections marked with a red pen on the enclosed list indicate items found on the agent's list, but not on the list maintained by your company. [Handwritten comment: "(Marked with a "[checkmark]" after the registration number.)"]
4. In the enclosed list, items with an agent code of LGE are found on the list maintained by your company, but not on the agent's list.
5. For sections of the enclosed list underlined in blue, if you verify and mark these items and then send them to us, we will revise our company's data.
6. We are sending an attachment of sections with discrepancies between the list maintained by your company and agent lists. Please check these and let us know [what to do about them].
7. For your information, we did not input items without a registration number and registration date. (It was decided that our company would manage only registered items.)
8. In the list with an agent code of (PJW4), the US patent with a registration number of 4961009 (marked with a fluorescent pen on page 2) is supposed to be an LG Semiconductor management item. Please check this and let us know [what to do about it].
9. Please indicate the designated country for the EP item below. Also, of the two items with registration numbers differing from those of other items, which you mentioned in your fax dated October 14, 91224689.8 (your ref.: 91042G5) is not found on the agent's list, so a precise registration number cannot be identified.

[Handwritten] VDP Research Center



주 유과장  
 - LG 전자기술원에서 확인한  
 해외 특허 현황입니다.  
 - 전화로 이야기한 바와 같이  
 대략적인 사항으로 대한  
 되었습니다.

특허실	담당	담당	사관
X	2/21		

수 신 : 특허정보실 특허팀장

발 신 : 특허전략팀 윤 두현

기안일 : 1996. 10. 31.

제 목 : 해외 등록특허 데이터 확인 요청

기안자 : 윤 두 현 (TEL:3777-7052)

일등을 합시다!

지난 8월 특허팀장회의에서 협의한 바와 같이 해외특허의 등록 연차료 관리를 외부 전문업체에 위탁 관리를 의뢰하였으며, 전산 입력한 우리회사의 해외 등록특허 자료를 貴 연구소/OBU에 송부드리니 확인하여 잘못되거나 누락된 데이터를 수정하여 주시기 바랍니다.

### 1. 향후 연차료 위탁관리 진행 절차

- ✓ ○ 데이터 확인(사업장) : 연차등록료 관리 데이터 이상 여부 확인 : 11월 15일 ✓
- 데이터 수정(MARKPRO) : 11월 23일
- 해외 특허사무소에 연차료 납부업무 중지 요청(특허전략팀) : 11월 30일
- 연차료 납부여부 REMINDER 발송(MARKPRO) : 11월 30일
- 신규등록건 의뢰양식 송부
- REMINDER 확인후 연차료 납부여부 ORDER(사업장) : 12월 10일

### 2. 유첨자료 설명

- 유첨하여 보내드리는 자료는 연차등록료 관리를 위해 특허사무소의 데이터와 LGTIPIS의 데이터를 Double Check 하여 출력한 자료입니다.
- 양 데이터중 이상이 있는 것과 누락된 데이터가 있는 것은 별도로 표기하거나 별도 List로 작성하였습니다. (첨부된 Letter 참조)

### 3. 요청사항

- 본 데이터 ERROR시 많은 비용과 노력을 투자하여 등록 받은 귀중한 특허를 일시에 망실할 우려가 있으므로 FILE을 직접 확인하여 철저히 Check하여 주시기 바랍니다.  
(수정사항은빨간색 볼펜으로 표기 ㄱ)
- 11월 15일까지 검토 완료하여 특허전략팀에 도착 될수 있도록 하여주시기 바랍니다

- 끝 -

LG Electronics

[Illegible approval-section stamp with signatures]

To: Patent Team Manager, Patent Information Office  
From: Du-hyeon Yun, Patent Strategy Team  
Date Drafted: October 31, 1996  
Drafted by: Du-hyeon Yun (Tel: 3777-7052)  
Subject: Verification of Data on Foreign Registered Patents Requested

Let's be number one!

As was discussed in the meeting of patent team managers last August, we brought in an outside company to handle management of annual registration fees for our foreign patents. I'm sending to your research center/OBU computerized data on our company's foreign registered patents. Please check it and make corrections for any erroneous or omitted data.

1. Procedures for Future Commissioned Management of Annual Fees

- **Confirmation of data (Business Unit): Check for problems in annual registration fee management data: November 15.** [Checkmarks made before and after sentence.]
- Correction of data (MARKPRO): November 23
- Ask foreign patent offices to suspend annual fee payment operations (Patent Strategy Team): November 30.
- Send reminder regarding payment of annual fees (MARKPRO): November 30.  
Send new registration request forms.
- Verify reminder, and then issue order regarding payment of annual fees (Business Unit): December 10.

2. Description of Enclosed Data

- The enclosed data I'm sending you was output after double checking LGTIPIIS data against patent office data for management of annual registration fees.
- I marked separately or created a separate list for those data from the two sources that exhibit problems and for missing data. (See attached letter.)

3. Requests

- Please verify the files directly and thoroughly check them as errors in this data could result in the loss, all at once, of precious patents registered with the investment of considerable expense and effort.  
(Correction should be marked with a red pen.)
- **Please complete your review and ensure that the Patent Strategy Team gets it by November 15.**

-- End --



F A X

 150-721 서울특별시 영등포구 여의도동 20  
 111브랜더지  
 전화 : 02-3777-1114 FAX : 02-3777-5335

수신 : 마크프로 주식회사 (FAX: 785-3043)  
 참조 : 이온기 대리  
 발신 : LG전자(주) 윤 두현 (FAX: 3777-5151)  
 제목 : 해외 특허 연차료 납부 관련 데이터 확인 요청

1997. 3. 20.

1. 귀사의 번장을 기원합니다.

 2. 요청하신 특허 등록 데이터를 아래와 같이 확인하여 보내드리니  
 참조바랍니다.


파일번호	사업부	확인내용
H676	VIDEO	실용 등록 G8014002.8 ('90. 12. 18)
9104GA3	LG전자부품	실용 등록 UM-113665 ('96. 10. 17), 공고 277758 ('96. 6. 1) ✓
91042G4	VDP	실용 등록 74924 ('92.11.17) '92. 7. 1 공고 ✓
91175G3	조리기기	심사진행중 ✓
91174G4	조리기기	출원번호 1004 / 91 ('91. 10. 30)
93018G3	리빙시스템	러시아 거 확인중
92098G2	전자기술원	공고 特公平07-114294(95.12.6), 등록 2108728 (96.11.21) ✓
80H80	리빙시스템	등록포기건(연차료 납부대상에서 제외 요망) ✓
94073G5	VDP	출원 94031751 ('94.9.2), 등록시점후 등록장은 미접수 상태임
94213G2	냉기	출원번호 319362 ('94. 11. 30) 등록일 '96.7.25 등록공고일 '96.10.9
91187G2	VIDEO	
92039G2	청소기	92.10.29 출원 96.10.23 공고 96.8.2 등록 (실용신안)
<별첨2>		
H207	조리기기	등록번호 1290405 ('91.10.8)
93059G3	조리기기	등록번호 73794
H211	조리기기	등록번호 8714925('90.12.21)
H596	VIDEO	등록번호 27346 ('94.6.1)
H769	조리기기	등록번호 2239995 (1994. 5. 18)
H758	조리기기	등록번호 2240421 (1994. 4. 27)
93237G5	LCD	출원 93119958.1 (93.12.29) 등록 34912 (96.7.19)
93244G4	LCD	등록번호 9313370 ('95.10.6)
92195G1	VDP	등록일 '96.7.2
H610	VDP	출원번호 4024314.1 ('90.7.31) 등록번호 4024314 등록일 '96.9.19
92039G2	청소기	실용신안 출원번호 實出平04-075280
92188G1	TV	입력된 데이터가 맞음, 출원일 '94.9.12
91188G1	TV	등록번호 5,283,602 ('94.2.1) 출원번호 815115 ('91.12.27)
<별첨3>		
H371	오디오	등록번호 5,060,094 ('91.10.22) 출원번호 278412 ('88.11.18) ↗
H371-1*		계속출원 등록번호 5,136,443 ('92.8.4) 출원번호 713707 ('91.6.11) ↗
94075G1	VDP	등록번호 5,543,681 ('96.8.6) 출원번호 314203 ('94.9.28)
93149G1	냉기	등록번호 5,398,599 ('95.3.21) 출원번호 102812 ('93.8.6) ↗
93149G1-1*		분할출원 등록번호 5,498,430 ('96.3.12) 출원번호 306598 ('94.12.21) ↗
93158G2	세탁기	실용신안 출원 데이터가 맞음
91024G1	전자기술원	등록번호 5,282,056 ('94.1.25) 출원번호 678051 ('91.4.1) ↗
91149G1-1*		분할출원 등록번호 5,335,087 ('94.8.2) 출원번호 135469 ('93.10.13) ↗
92194G1		등록 5,455,063 ('95.10.3) 출원일 '92.11.16
92106G6	VDP	등록 MY-108011-A('96.7.30)
80H709		등록 DE4037029 ('96.9.25)
94072G1		등록 5,569,391 ('96.10.29)

기 0244

82041G5		등록 MY-108422-A ('96.9.30)
82008G6		등록 MY-108485-A ('96.9.30)
95FKWF004G		등록 5,584,191 ('96.12.17) '95.1.10 출원
94089G3		등록 DE4410802 ('96.12.12)
94218G1		등록 5,568,730 ('96.10.29) '94.11.8 출원
94181G1		등록 5,570,587 ('96.11.5) '94.11.4 출원
80H731		등록일자 94. 5. 18

주) "\*" 표는 원출원 특허에서 변경출원 또는 계속출원된 것임.





LG Electronics

FAX  
LG Twin Towers, 20 Yoido-dong, Youngdungpo-gu, Seoul, 150-721 Korea  
Telephone: 02-787-1114 Fax: 02-787-3400

March 20, 1997

To: Markpro Company (Fax: 785-3043)  
CC: Assistant Manager Eu-gi Lee  
From: Du-hyeon Yun, LG Electronics (Fax: 3777-5151)  
Subject: Request for Verification of Data Related to Payment of Annual Fees for Foreign Patents

1. May your company prosper.
2. Please find below patent registration data verified as per your request.

[Stamp]  
Markpro Company: Received March 20, 1997.

File No.	Division	Verification Details
H676	Video	Utility registration G9014002.8 (12/13/1990) [checkmark]
9104GA3	LG Electronics Components	Utility registration UM-113665 (10/17/1996), publication 277758 (6/1/1996) [checkmark]
91042G4	VDP	Utility registration 74924 (11/17/1992), published 7/1/1992. [checkmark]
91175G3	Cooking Appliances	Examination in progress. [checkmark]
91174G4	Cooking Appliances	Application No. 1004/91 (10/30/1991) [checkmark]
93018G3	Living Systems	Russian item currently being checked.
92098G2	[LG] Electronics Institute of Technology	Patent Announcement Heisei 07-114294 (12/6/1995), registration 2108728 (11/21/1996) [checkmark]
80H80	Living Systems	Registration abandoned (Should be excluded from items subject to annual-fee payment requirements.) [checkmark]
94073G5	VDP	Application 9403175 (9/2/1994). Registration certificate not yet received following decision of registration. [checkmark]
94213G2	Cooling Devices	Application No. 319362 (11/30/1994), registration date 7/25/1996, registration publication date 10/9/1996. [Registration publication date crossed out.]
91187G2	Video	
92039G2	Cleaners	Application 10/29/1992, publication 10/23/1996, registration 8/2/1996 (utility model) [Last item crossed out.]
<Attachment 2>		
H207	Cooking Appliances	Registration No. 1290405 (10/8/1991)
93059G3	Cooking Appliances	Registration No. 73794
H211	Cooking Appliances	Registration No. 8714925 (12/21/1990)
H596	Video	Registration No. 27346 (6/1/1994)
H769	Cooking Appliances	Registration No. 2239995 (5/18/1994)
H758	Cooking Appliances	Registration No. 2240421 (4/27/1994)
93237G5	LCD	Application 93119958.1 (12/29/1993), registration 34912 (7/19/1996)
93244G4	LCD	Registration No. 9313370 (10/6/1995)
92195G1	VDP	Registration Date 7/2/1996
H610	VDP	Registration No. 4024314.1 (7/31/1990), registration No. 4024314, registration Date 9/19/1996
92039G2	Cleaners	Utility model application number [illegible] Heisei 04-075290
92188G1	TV	Input data is correct. Application Date 9/12/1994.
91188G1	TV	Registration No. 5,283,602 (2/1/1994), application No. 815115 (12/27/1991)
<Attachment 3>		
H371	Audio	Registration No. 5,060,090 (10/22/1991), application No. 273412 (11/18/1998) [See original for handwritten arrow.]
H371-I*		Continuation, registration No. 5,136,443 (8/4/1992) application No. 713707 (6/11/1991)
94075G1	VDP	Registration No. 5,543,681 (8/6/1996), application No. 314203 (9/28/1994)
93149G1	Cooling Devices	Registration No. 5,398,599 (3/21/1995), application No. 102812 (8/6/1993) ) [See original for handwritten arrow.]
93149G1-I*		Divisional application, registration No. 5,498,430(3/12/1996), application No. 306598 (12/21/1994)
93158G2	Washing Machines	Utility design application data is correct.
91024G1	[LG] Electronics Institute of Technology	Registration No. 5,282,056 (1/25/1994), application No. 678051 (4/1/1991) [See original for handwritten arrow.]
98149G1-I*	[Crossed out out with illegible handwritten comment]	Divisional application, registration No. 5,335,087 (8/2/1994), application No. 135469 (10/13/1993)
92194G1		Registration 5,455,063 (10/3/1995), application date 11/16/1992
92106G6	VDP	Registration MY-108011-A (7/30/1996)
80H709		Registration DE4037029 (8/25/1996)
94072G1		Registration 5,569,391 (10/29/1996)

92041G5		Registration MY-108422-A (9/30/1996)
92008G6		Registration MY-108485-A (9/30/1996)
95FKWF004G		Registration 5,584,191 (12/17/1996), application 1/10/1995
94089G3		Registration DE4410802 (12/12/1996)
94218G1		Registration 5,568,730 (10/29/1996), application 11/8/1994
94181G1		Registration 5,570,587 (11/5/1996), application 11/4/1994
80H731		Registration Date 5/18/1994

Notes) "\*" indicates modification or continuation of original patent application.

[Illegible stamp]

MARKPRO  
Central P.O. Box 58  
Seoul, Korea

Markpro Company  
7th Floor, KFSB Bldg.  
16-2 Yeoedo-dong  
Yeongdeungpo-gu,  
Seoul, Korea

Tel: (822) 785-3040 -2  
Fax: (822) 785-3043  
(822) 785-2004  
Internet: ID:  
markpro@nuri.net

March 29, 1997

To: LG Electronics Inc.  
CC: Manager Du-hyeon Yun, Patent Strategy Team  
Subject: Transmission of Complete Foreign Annual Fee List

May your company prosper.

As confirmed in the attachment, the number of cases our company has undertaken is as follows.

Date	No. of Cases Undertaken	Abandoned	Completed	Duplicated	Pending	Cases Managed	Total
As of March 1997	1499	76	4	17	3	1399	1479

I have enclosed two copies of a final list of foreign annual fees our company is to manage. I would appreciate it if you would input any corrections, affix your seal to one copy, and mail it back to me.

Markpro Company

LG Electronics Inc. Verified (Seal)

Enclosures:  
List of cases managed by our company (registered rights), two copies  
Data for each business unit  
Attachments Nos. 1 and 2

**MARKPRO**

CENTRAL P.O. BOX 58,  
SEOUL, KOREA

**MARKPRO COMPANY**

7TH FLOOR, KFSB BLDG.,  
16-2 YEOEUDO-DONG,  
YEONGDEUNGPO-GU,  
SEOUL, KOREA

TEL; (822)785-3040 ~ 2  
FAX; (822)785-3043  
(822)785-2004  
Internet :ID:  
markpro@nuri.net

수신 : LG전자 주식회사

1997. 3. 29.

참조 : 특허전략팀 / 윤 두현 과장님

제목 : 해외연자료 전제List 송부건

귀사의 일익번창을 기원합니다.

별첨에서 확인되는 바와 같이 당사에서 인수한 건수는 다음과 같습니다.

일 자	인수건	포기	완료	중복	pending	관리건	중계
97년 3월 현재	1499	76	4	17	3	1399	1479

당사에서 관리할 최종 해외연자료 List 2부를 동봉하오니 정정할 사항이  
있으시면 기입후 1부를 날인하시여 재우송해 주시면 감사하겠습니다.

주식회사 마크프로

LG전자 주식회사 확인필 (인)

동봉물 : 당사관리(등록권)건의 List 2부  
각 사업장별 data  
별첨 1, 2

Information Number:  
Retention Period:  
Consultation ( ) Report ( ) Communication (X)  
Person with Discretionary Power under Regulations Governing Operational Discretionary Power (Team Manager)  
Draft Date: April 3, 1997

---

Drafting Office: Intellectual Property Strategy Team  
Drafted by: Ok-hui Jeon [signature] (Tel: 7056)  
Approval: Manager: [signature] Officer: Customer:  
To (CC): See Recipients. (Person in charge of patents)  
Instructions of Person with Final Approval Authority: Approved ( ) Disapproved ( ) Pending ( )  
Office Consulted:  
Name of Verifying Party:  
Opinion:

Subject: Verification of Foreign Registration List Data

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Regarding payment of foreign annual fees, I am sending the final list of items to be managed by Markpro. Please check for anything to be revised, added, or deleted, and send it back to me. The relevant business units will be responsible for data errors. This is the final verification task, and as such, I would ask you to take special care to prevent developments that might be disadvantageous.

<Requests>

- Please check the enclosed lists and make any corrections with a red pen.
- Please prepare any additions using a format identical with that used in the lists and send it as an enclosure.
- Please return by April 15 lists for which verification has been completed.

-- End --

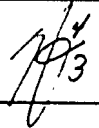
\*Enclosures:

1. List of LG Electronics Business Unit Names
2. Field Names and Contents of LGE.XLS
3. List of Registration Due Dates for Foreign Agents/Agents

\*Recipients: All Business Units

Copy Distribution:

LG Electronics: A doer challenging the future; a specialist rich in creativity; an organizer displaying individuality; an international contributing to life and culture

情報番號 : 保存年限 :		稟 報 通 議 告 信		업무재량권 규정에 의한 재량권자( 팀 장 ) 起案日字:1997年 4月 3日	
起案部署	지 적 재 산 전 략 팀	管 理 者	任 員	顧 客	
起 案 者	전 옥 희 (☎:7056)				
受 信 (參 照)	수신처 참조 ( 특히 담당자 )				
最終決裁者 指 示	可	否	保 留		
合議部署	確認部署	意 見			
題 目	해외 등록 List Data 확인				
<p>해외 연차료 납부 관련하여 MARKPRO 에서 관리하게 될 최종 List를 송부합니다. 수정이나 추가 및 삭제할 사항을 확인하시어 재송부해 주십시오. Data 오류에 대한 책임은 해당 사업장에서 지게됩니다. 이번이 최종 확인작업인 만큼 불이익이 발생하지않도록 각별한 주의 부탁드립니다.</p> <p>〈요청사항〉</p> <ul style="list-style-type: none"> <li>- 유첨된 List를 확인하시고 수정사항은 붉은색 펜으로 표시해 주십시오.</li> <li>- 추가사항은 List와 동일한 양식으로 작성하시어 유첨시켜 주십시오.</li> <li>- 확인이 끝난 List는 4/15일限 재발송해 주십시오.</li> </ul> <p>- 이 상 -</p> <p>※ 유 첨 : 1. LG 전자 사업장명 List 2. LGE.XLS의 각 필드 명칭 및 내용 3. 해외 대리인/대리인별 등록 Duedate List</p> <p>※ 수신처 : 전사 사업장</p>					
사본배포처					

영미연 : FIMJ      외국 출원서류 요약서  
 (OUR REF : PA/GS / 94228 )

4/17

명 칭	디지털 VCR의 기록 및 재생 제어 회로		
CS REF.	출 원 번 호	출 원 국 가	발 명 자
94-003G1	08/227,281	미국	이제형 외
신 규 출 원 서 류		증 간 서 류	
국내 출원일	93. 4. 16	Official D/D	1995.12.8
해외 출원일	94. 4. 13	D/D 현 황	1996.6.12
국내 출원번호	93-6441	등록 번호	5,587,789(96.12.24)
국내 대리인	박 장 원	공개 번호	
해외 대리인	B S K B	기 타	

2

ACTION 으지 및 발생일		비 고
'94	'96	'97
<ul style="list-style-type: none"> <li>5/2 출원보고</li> <li>5/16 출원료 (US\$ 1,494.00)</li> <li>6/7 출원번호 통보</li> <li>8/3 IDS 제출보고 및 비용 (US\$ 222.00)</li> <li>9/6 Notice of Recordation 에 대한 정정비용 (US\$ 98.00)</li> </ul>	<ul style="list-style-type: none"> <li>1/11 답변서 제출(95.12.8) 보고 및 비용 (US\$ 729.00)</li> <li>3/13 우선권 제출보고 및 비용 (US\$ 131.00)</li> <li>4/1 거절이유통보 (FL OA)</li> <li>6/4 Special Comment 비용 (US\$ 743.00)</li> <li>7/10 답변서 제출(96.6.11) 보고 및 비용 (US\$ 183.00)</li> <li>7/29 등록사정 통보, 등록료 (US\$ 1,693.00) 심사료 (₩ 450,000)</li> <li>10/14 공식 30일 제출보고 및 비용 (US\$ 316.00)</li> </ul>	<ul style="list-style-type: none"> <li>4/10 등록증 2부</li> </ul> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; margin: 10px;"> <p>접 수 년 1997. 4. 10 LG</p> </div> <p>핵심적 설계에 비        등록증 5부, 이제형        5부, 5부, 5부, 5부, 5부        5부, 5부, 5부, 5부, 5부        5부, 5부, 5부, 5부, 5부</p>
<ul style="list-style-type: none"> <li>'95</li> <li>8/8 IDS 제출보고 및 비용 (US\$ 320.00)</li> <li>10/10 거절이유통보</li> <li>11/8 Proposed Amendment 준비비용 (US\$ 1,940.00)</li> </ul>		<p>보상료 5부        5부, 5부, 5부, 5부, 5부        5부, 5부, 5부, 5부, 5부        5부, 5부, 5부, 5부, 5부</p>

[Illegible]: FIMS

## FOREIGN PATENT APPLICATION DOCUMENT SUMMARY

(Our Ref.: PA/GS / 94228)

Name	Digital VCR Recording and Reproduction Control Circuit		
GS REF.	Application No.	Country of Filing	Inventor
94-003G1	08/227,281	United States	Je-hyeong Lee, et al.
New Application Documents		Intermediate Documents	
Domestic Application Date	4/16/1993	Official D/D	12/8/1995
Foreign Application Date	4/13/1994	D/D Status	6/12/1996
Domestic Application No.	93-6441	Registration No.	5,587,789 (12/24/1996)
Domestic Agent	Jang-won Pak	Publication No. (without Examination)	
Foreign Agent	BSKB	Misc.	

Summary and Date of Action		Remarks
1994	1996	1997
5/2 Patent application report	1/11 Response submission (12/18/1995) report and cost (US\$ 729.00)	4/10 Registration certificate sent.
5/16 Application fee (US\$ 1,494.00)		
6/[?] Notification of application number	3/13 Priority submission report and cost (US\$ 131.00)	
8/3 IDS submission report and cost (US\$ 222.00)	4/1 Notification of grounds for rejection (FL OA)	
9/6 Costs for corrections concerning Notice of [illegible] (US\$ 98.00)	6/4 Special comment costs (US\$ 943.00)	
1995	7/10 Response submission (6/11/1996) report and cost (US\$ 183.00)	After verification, [illegible] to [illegible] Registration certificate May [illegible] [illegible names]
8/8 IDS submission report and cost (US\$ 320.00)	7/29 Notice of decision of registration, registration fee (US\$ 1,693.00), bonus [for successful registration] (W 450,000)	
10/10 Notification of grounds for rejection		Compensation for May [illegible] [illegible] [illegible names]
11/8 Costs for preparing proposed amendment (US\$ 1,940.00)	10/14 Official drawing submission report and cost (US\$ 316.00)	



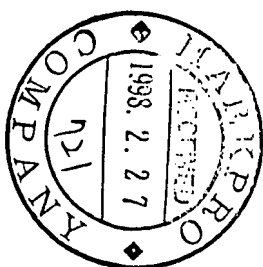
1998. 2. 27일 받

97년 해외 신규 등록건

BAIC 90

1999. 1. 6 받

9월



921  
(921)  
= 921

LG전자

**LOWE, Scott L.**

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**From:** LOWE, Scott L.  
**Sent:** Monday, May 12, 2003 7:21 PM  
**To:** 'yyhan@lge.com'  
**Subject:** Trick play Reissue



document.pdf

Dear Yeo-Han,

We received an unofficial communication from Examiner Tran regarding the reissue application (trick play). Examiner Tran says that his supervisor has completed her review of the Reissue application has two concerns which must be met before the application will be passed to issue.

1) According to the USPTO records, the maintenance fee was not paid for U.S. Patent 5,587,789. The maintenance fee was due June 24, 2000. The USPTO will not reissue an expired patent.

According to our records, Computer Patent Annuities (CPA) in Jersey, Channel Islands was responsible for paying the issue fee. U.S. Patent 5,587,789 issued December 24, 1996, and we received a letter on April 25, 1997 instructing us that the maintenance fees were to be handled by CPA. Please see the attached letter.

Please inquiry with CPA to see if the maintenance fee was actually paid. Often, the USPTO makes mistakes and misplaces documents. If the maintenance fee was paid, we need to submit evidence, such as a date-stamped postcard, canceled check, etc.

If the maintenance fee was not paid, we can file a petition to accept late payment of the maintenance fee. There is no guarantee that the petition will be accepted, and we will need to explain the circumstances that resulted in the non-payment (e.g. company went out of business, file was lost by CPA, other types of confusion or irregular circumstances surrounding this Patent).

2) The Assent of Assignee/3.73(b) is defective, because it is unclear if the signer is empowered to act on behalf of the company. This matter can be readily overcome, by having a person with a self-evident title (e.g. president, CEO, etc.) to sign the Assent of Assignee, or by having the signer, make a statement that he is empowered to act on behalf of the company.

We can deal with the formality of issue (2) once we resolve issue (1).

I look forward to receiving CPA's comments as to whether or not they paid the maintenance fee, and we can proceed further after we have answered this matter.

Best Regards,

Scott

\* 반갑게 반갑게 인사해서 보내드립니다.



수 신 : 박 장 원 특허사무소장

발 신 : LG전자 특허전략팀

기안일 : 1996. 10. 31.

제 목 : 해외 등록특허 데이터 확인 요청

기안자 : 윤 두 현 (TEL: 3777-7052)

貴 사무소의 발전을 기원합니다.

우리 회사에서는 그동안 貴 사무소에서 여러가지 어려움속에서 단순 관리 업무인 해외 특허의 연차료 납부 업무를 지금까지 잘 관리해주신데 대하여 감시드리며, 앞으로는 이를 효율적으로 관리하기 위하여 외부 전문업체에 용역 의뢰할 예정입니다.

따라서 귀 사무소에서 관리하고 있는 데이터와 우리회사에서 관리하고 있는 데이터에서 이상이 있거나 누락된 데이터가 있어 아래와 같이 확인코자하오니 업무에 비쁘시겠지만 도와주시면 고맙겠습니다.

#### 1. 연차료 관리회사 업무 위임 내용

- 등록된 특허에 대한 연차등록료 납부업무만 위임  
출원 진행건의 연차료는 특허사무소에서 계속 관리

#### 2. 효과

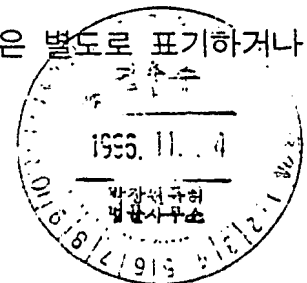
- 특허사무소의 잡무 경감
- 연차료 납부에 따른 해외사무소 수수료 절감(1회 납부시 평균 \$150/건)
- 연차료 관리 부실로 인한 특허권 손실시 책임배상 가능

#### 3. 향후 연차료 위탁관리 진행 절차

- 데이터 확인(사업장 및 사무소) : 데이터 이상 여부 확인 : 11월 15일
- 데이터 수정(연차료 관리회사)
- 해외 특허사무소에 연차료 납부업무 중지 요청 : 11월 30일

#### 4. 유첨자료 설명

- 양 데이터종 이상이 있는 것과 누락된 데이터가 있는 것은 별도로 표기하거나 별도 List로 작성하였습니다. (첨부된 Letter 참조)



[Handwritten] \*I'm sending this marked up with a red pen.

LG Electronics

To: Jang-won Pak, Patent Office Manager  
From: Patent Strategy Team, LG Electronics  
Date Drafted: October 31, 1996  
Drafted by: Du-hyeon Yun (Tel: 3777-7052)  
Subject: Verification of Data on Foreign Registered Patents Requested

May your office prosper.

Our company would like to express its thanks for the good job your office has done, amid various difficulties, in managing annual fee payment operations for [our] foreign patents, a simple management operation. To manage this efficiently, in the future, we plan to bring in a specialized outside company to handle this service.

Consequently, we would like to verify as follows problems or omissions in data managed by your office and in data managed by our company. I know you are busy with work, but we would appreciate your help in this.

1. Details of Operations Delegated to Annual Fee Management Company

- Delegated only operations involving payment of annual registration fees for registered patents ["registered patents" circled].  
[Your] patent office will continue to manage annual fees for items with application in progress.

2. Effects

- Alleviates burden of miscellaneous business on [your] patent office.
- Reduces fees to foreign offices resulting from payment of annual fees (averaging \$150 per case for each payment).
- Possible liability for reparations on loss of patent rights due to poor management of annual fees

3. Procedures for Commissioned Management of Annual Fees in Future

- **Confirmation of data (Business Unit and [Patent] Office): Data checked for problems: November 15.** [Handwritten asterisk.]
- Correction of data (annual fee management company)
- Ask foreign patent offices to suspend annual fee payment operations: November 30.

4. Description of Enclosed Data

- I marked separately or created a separate list for those data from the two sources that exhibit problems and for missing data. (See attached letter.) [Stamp]

m e m o

1996. 11. 15.

TO: LG 전자

윤 두현 과장님

FROM:

박광원 특허

해리출원부

(담당: 이미옥)

연차료 납부관련, 등록 데이터 갱신,

수정료 보내드립니다. 의문사항

있으시면 고신해주십시오.

H1178, 11683의 공리/변환은 갱신되는

대로 알려드리겠습니다.

**PARK, KIM & PARTNER**  
PATENT & TRADEMARK ATTORNEYS

Telephone: 547-6889, 548-3264  
549-5844, 549-6934

## Memo

November 15, 1996

To: Manager Du-hyeon Yun, LG Electronics  
From: Jang-won Pak, Foreign Patent Application Department (Processed by: Mi-ok Lee)

Regarding payment of annual fees, I will check the registration data, make corrections, and send them to you.  
Please call me if you have any questions.

I will let you know as soon as the publication dates/numbers for H178, H683 are confirmed.

Park, Kim & Partner  
Patent & Trademark Attorneys  
Telephone: 547-6889, 548-3264  
549-5844, 549-6934

MARKPRO

CENTRAL P.O. BOX 58,  
SEOUL, KOREA

MARKPRO COMPANY

7TH FLOOR, KFSB BLDG.,  
16-2 YEOEUDO-DONG,  
YEONGDEUNGPO-GU,  
SEOUL, KOREA

TEL; (822)785-3040 ~ 2  
FAX; (822)785-3043  
(822)785-2004  
Internet :ID:  
markpro@nuri.net

---

수신 : 엘지전자  
참조 : 특허전략팀 / 과장 윤두현  
발신 : (주)마크프로  
제목 : 해외연도금 List 송부

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1996.12.11

1. 귀사 발전을 기원합니다.
2. 1996년 12월 5일자 귀사로부터 해외에 등록된 특허와 실용신안의 전제건에 대한 수정 LIST를 받아왔습니다. 이에 따라서, 해당 건을 수정하여 보내드리오니, 확인하신 후 틀린부분을 표시하여 보내 주시면 당사의 DATA를 수정하겠습니다.
3. 대리인사무소에서 수정한 부분과 사업장에서 수정한 부분이 서로 일치하지 않은건은 대리인사무소별로 LIST를 작성하였습니다. ~~(별첨1)~~ 확인하신후 빠른 답신을 바랍니다. 참고로, 동봉한 LIST는 대리인사무소의 DATA를 기준으로하여 작성하였습니다.
4. YOUR REF.가 한글인건은 영문표기로 바꾸어주시기 바랍니다.
5. 동봉한 LIST 상의 파란 밑줄이 표시된 부분은 그 항목을 확인하신 후 표시하여 보내 주시면 당사의 DATA를 수정하겠습니다.
6. ~~(별첨2)~~의 LIST에 있는 나라들은 출신시 대리인이 연도금을 관리하도록 되어있습니다. 그러므로, 해당되는 나라의 출신시 대리인의 이름 및 주소 (FAX 번호와 전화번호 포함)를 알려주시기 바랍니다.

주식회사 마크프로

- 동봉물 : 1. 당사관리(등록)건의 LIST  
2. 출신시의 대리인이 필요한 나라에 대한 LIST  
3. 확인을 요하는 LIST (대리인별)

MARKPRO  
Central P.O. Box 58  
Seoul, Korea

Markpro Company  
7th Floor, KFSB Bldg.  
16-2 Yeoeudo-dong  
Yeongdeungpo-gu,  
Seoul, Korea

Tel: (822) 785-3040 -2  
Fax: (822) 785-3043  
(822) 785-2004  
Internet: ID:  
markpro@nuri.net

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December 11, 1996

To: LG Electronics  
CC: Manager Du-hyeon Yun, Patent Strategy Team  
From: Markpro Company  
Subject: Transmission of Foreign Annual Fee List

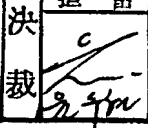
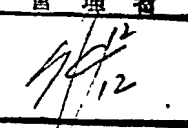
1. May your company prosper.
2. We received from your company a revision list, dated December 5, 1996, for all foreign-registered patents and utility models. Accordingly, we have revised and are sending you the relevant items. If you check these, mark any errors, and return the information to us, will make corrections to our company's data.
3. We created an agent-specific list for items with inconsistencies in revisions made by the agent's office and those made by the business unit. Please check enclosed item No. 1 and send us a reply as soon as possible. For your information, the enclosed list was created based on agent-office data.
4. Please change to English items with YOUR REF. indicated in Korean.
5. For sections underlined in blue in the enclosed list[s], we will correct our company's data if you will check these items and indicate [needed changes].
6. Countries found on the list of enclosed item No. 2 require an agent to manage annual fees when a patent application is filed. So please let us know the names and addresses (including fax and telephone numbers) of the agents used when filing applications in each country.

Markpro Company

Enclosures:

1. List of (registered) items managed by our company
2. List of countries requiring agent for application
3. List requiring verification (agent-specific)



決 裁	担 當 管 理 者
	

수 신 : 특허법률사무소

제 목 : 해외 등록특허 연차료 납부관리 변경

1996. 12. 12.

貴 사무소의 발전을 기원합니다.

우리 회사에서는 단순관리 업무인 연차료 관리 업무를 효율적으로 운영하기 위해  
해외에 등록된 특허의 연차료 관리업무를 외부 전문기관에 일괄 용역 의뢰할 계획입니다.

그동안 귀사무소에서 지금까지 특허의 연차료 업무를 잘 관리해 주신데 대하여  
감시드리며, 앞으로 해외에서 연차료 납부와 관련해 추가적인 업무와 비용이 발생하지  
않도록 아래 내용을 참조하여 유첨한 특허의 해외대리인에게 연차료 납부업무 중지를  
요청바랍니다.

그리고 貴 사무소와 우리회사에서 관리되고 있는 연차료 납부에 필요한 데이터 중  
일부 누락된 것이 있으므로(청색 밑줄친 부분) 확인하여 알려주시면 고맙겠습니다.

1. 연차료 관리회사 업무 위임 범위

- 등록된 특허에 대한 연차등록료 납부업무만 위임
- 출원 진행건의 연차료는 특허사무소에서 계속 관리하여 주시기 바랍니다.

2. 유첨한 등록특허의 연차료 납부업무는 '97.1.1. 이후 연차료 납부분 부터 외부  
전문기관에서 연차료를 납부할 예정입니다.

'96년 末까지는 귀사무소에서 납부하여 주시기 바랍니다.

3. 데이터 확인 요청

- 연차료 납부 대상건 중 일부는 연차료 납부에 대한 데이터가 누락되어 연차료  
납부가 곤란하므로 확인하여 수정해 주시기 바랍니다.

특히 일본, 대만 건은 공고일자를 정확히 기재바랍니다.

- 貴 사무소에서 출원하여 등록된 특허중 유첨한 자료에 누락된 것이 있으면 유첨  
리스트와 같이 기재하여 송부하여 주시기를 부탁드립니다.

LG전자      특허전략팀  
부 장      강 성 용

LG Electronics

Sender No.: (02) 3777-5151  
Recipient No.: (02)  
[Illegible address]

Approval

Person in Charge: Du-hyeon Yun [signature]  
Manager: [signature]

December 12, 1996

To: \_\_\_\_\_ Patent & Law Office  
Subject: Changes to Management of Annual-Fee Payment for Foreign Registered Patents

May your office prosper.

For efficient annual-fee management, which is a simple management operation, our company plans to bring in a specialized outside agency to provide turnkey service in annual-fee management operations for foreign registered patents.

We would like to thank your office for the good job you have done to date in managing annual patent fee operations. Please see the information below and ask the foreign agents for the attached patents to suspend annual-fee payment operations to ensure that no additional operations or expenses are generated in the future in connection with overseas payment of annual fees.

In addition, there are partial omissions of data needed for annual-fee payments managed by your office and our company (underlined in blue). I would appreciate it if you would check this and provide me with feedback.

1. Scope of Operations Delegated to Annual Fee Management Company

- ☐ Only annual registration fee payment operations for registered patents were delegated.
- ☐ Please have [your] patent office continue to manage annual fees for applications in progress.

2. Annual fee payment operations for the enclosed registered patents will be handled by a specialized outside agency beginning with annual fees to be paid on or after January 1, 1997.

- ☐ Please have your office make payments up through the end of 1996.

3. Data Verification Request

- ☐ Some data on annual-fee payment is missing from items subject to such payment requirements, making payment of annual fees problematic. Please check this and make the [necessary] corrections. In particular, please enter accurate publication dates for Japanese and Taiwanese patents.
- ☐ If registered patents for which your office filed the application are missing from the enclosed data, please enter the information as in the enclosed list and send it to me.

Seong-yong Kang, General Manager  
Patent Strategy Team, LG Electronics



FACSIMILE

OUR FAX NO : 3777-1052  
YOUR FAX NO :

REF NO.	DATE Dec. 16. 1996	PAGE OF
ATTN 특허팀장	PREPARED BY 원 두현	PHONE 3777-1052
C. C (연차등록료 담당자)	APPROVED BY	
FROM 특허전담팀 원 두현		
SUBJECT '97. 상반기 연차등록료 납부 여부 확인 요청.		

지정

'97년 상반기중 납부해야 할 해외 등록 특허 연차료 list를  
유청하여 송부드립니다.

1. 연차료를 납부 한 특허는 "지불여부"란의 'YES' 이 ☒ 표시하여  
주시기 바랍니다.
2. "No"란에 "\*" 표기 건은 관련 항목이 누락되어 연차료 납부시기를  
알수 없으므로 file을 검토하여 기재하여 주시기 바랍니다.
3. 해외 연차료 납부 기한이 다음주 부터 연말 휴가가 시작하므로  
연차료 "납부기한" 이 '97. 1월인 식은 1996. 12월. 17日 까지  
지급으로 확인하여 지불여부를 알려 주시기 바랍니다.  
(전화 또는 FAX로 등록번호와 "Your Ref."만 알려  
주어도 무방함)
4. 유청자료는 12月 23日 까지 확인 완료하여 FAX 또는 우편으로  
송부하여 주시기 바랍니다. ('97. 2월 이후 납부 대상 식)

유청 : '97년 상반기 연차료 납부 대상자 list (Reminder)

LG Electronics Inc.

LG Twin Towers, 20 Yoido-dong, Youngdungpo-gu, Seoul, 150-721 Korea

FACSIMILE

Our Fax No.: 3777-7052

Your Fax No.:

Ref. No.

Date: December 16, 1996 Page \_\_\_ of \_\_\_

Attn Patent Team Manager

Prepared by: Du-hyeon Yun Phone 3777-7052

CC (Person in Charge of Annual Registration Fees)

Approved by

From Du-hyeon Yun, Patent Strategy Team

Subject Verification of Payment of Annual Registration Fees for First Half of 1997 Requested

[Handwritten comment circled at right: Paid]

I'm sending you an enclosed list of annual fees for foreign registered patents that have to be paid during the first half of 1997.

1. Please circle "Yes" in the "Payment Made" section for patents for which an annual fee has been paid.
2. Items marked with an "\*" in the "No" section are missing [information for] the relevant item, making it impossible to know when annual fees were paid. Please review the file and enter [the missing information].
3. Year-end vacation for the agency handling foreign annual-fee payment begins next week, so please check whether payments were made by December 17, 1996 for items with an annual fee "payment due date" of January 1997 and let me know the payment status for these.  
(It's all right to provide me with only registration numbers and "Your Ref." information by telephone or fax.)
4. Please complete your verification of the enclosed data and send it to me by fax or mail by no later than December 23. (Items to be paid beginning February 1997)

Enclosed: List of Items Requiring Payment of Annual Fees in the First Half of 1997 (Reminder)

-- End --

Information Number: 51862-4401-WS005

Retention Period:

Consultation (X) Report ( ) Communication (X)

Person with Discretionary Power under Regulations Governing Operational Discretionary Power (Office Director)

Draft Date: December 17, 1996

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Drafting Office: Intellectual Property Team, LG Electronics Institute of Technology

Drafted by: Yong-cheon Kim (seal) [signature] (Tel: 4456)

Approval: Person in Charge: [signature] Office Director: [signature] Institute Director: Customer:

To (CC): Manager Du-hyeon Yun, Patent Strategy Team

Instructions of Person with Final Approval Authority: Approved ( ) Disapproved ( ) Pending ( )

Office Consulted:

Name of Verifying Party:

Opinion:

Subject: Review of Annual Fee Payment for Foreign Registered Patents in First Half of 1997

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### 1. Items for Review

Five multimedia (research) and 14 LG Electronics Institute of Technology for total of 19 items.

(Based on list provided by Markpro.)

### 2. List of Items with Rights Abandoned

No.	Research Institution	LGE Ref.	Country	Year	Field	Reason for Abandonment
1	MM (Research)	91-003G3	Germany	7	CVP	No business in field; technology not novel.
2	MM (Research)	91-065G3	France	7	CVP	No business in field; technology not novel.
3	MM (Research)	91-065G3	Germany	7	CVP	No business in field; technology not novel.
4	MM (Research)	91-065G3	United Kingdom	7	CVP	No business in field; technology not novel.
5	LG Electronics Institute of Technology	H280	United Kingdom	7	{Partially illegible, possibly: Measuring Concentrations of Inorganic Materials}	No business in field; technology not novel.

### 3. Miscellaneous Notification

No. 6 (93-105G3) on the MM (Research) list has already been transferred to Sungbo Systems, so please contact the MM (Main) Patent Business Team. => (L/C)

-- End --

A doer challenging the future; a specialist rich in creativity; an organizer displaying individuality; an international contributing to life and culture.

Intellectual Property Team

情報番號 : 51862-4401-WS005 保存年限 :		稟 報 通 議 告 信		업무재량권 규정에 의한 새량권자 (실장) 起案日字: 1996年 12月 17日																																											
起案部署	LG전자기술원 지적재산팀	팀 상	실 상	所 長	顧 客																																										
起 案 者	김 용 천 (인) (☎: 4456)																																														
受 信 (參 照)	특허전략팀 윤두현 과장																																														
最終決裁者 指 示	可      否      保 留																																														
會議部署	確認署名	意      見																																													
題 目	'97상반기 해외특허 연차료 납부 검토																																														
<p>1. 검토 대상건 멀티미디어(연) 5건, LG전자기술원 14건 총 19건 (MARKPRO 제공 List 기준)</p> <p>2. 권리 포기건 LIST</p> <table border="1"> <thead> <tr> <th>No.</th> <th>연구소</th> <th>LGE Ref.</th> <th>국가</th> <th>연차</th> <th>분 야</th> <th>포기사유</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>MM(연)</td> <td>91-00303</td> <td>독일</td> <td>7</td> <td>CVP</td> <td>미사업분야/기술진부</td> </tr> <tr> <td>2</td> <td>MM(연)</td> <td>91-06563</td> <td>프랑스</td> <td>7</td> <td>CVP</td> <td>미사업분야/기술진부</td> </tr> <tr> <td>3</td> <td>MM(연)</td> <td>91-06563</td> <td>독일</td> <td>7</td> <td>CVP</td> <td>미사업분야/기술진부</td> </tr> <tr> <td>4</td> <td>MM(연)</td> <td>91-06563</td> <td>영국</td> <td>7</td> <td>CVP</td> <td>미사업분야/기술진부</td> </tr> <tr> <td>5</td> <td>기술원</td> <td>H280</td> <td>영국</td> <td>10</td> <td>무기물농도측정</td> <td>미사업분야/기술진부</td> </tr> </tbody> </table> <p>3. 기타 통지사항 MM(연) list중 No.6(93-105G3)는 이미 정보시스템으로 이관한 件이므로 MM(본)특허경영팀으로 연락 바랍니다. <i>etc</i></p> <p style="text-align: center;">— 이상 —</p>						No.	연구소	LGE Ref.	국가	연차	분 야	포기사유	1	MM(연)	91-00303	독일	7	CVP	미사업분야/기술진부	2	MM(연)	91-06563	프랑스	7	CVP	미사업분야/기술진부	3	MM(연)	91-06563	독일	7	CVP	미사업분야/기술진부	4	MM(연)	91-06563	영국	7	CVP	미사업분야/기술진부	5	기술원	H280	영국	10	무기물농도측정	미사업분야/기술진부
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미래에 도전하는 행동인, 창조성이 풍부한 전문인  
개성을 발휘하는 조직인, 생활분화에 공헌하는 국제인

JANG WON PARK . ME  
SO YOUNG JANG . ME  
HWANG YEON LEE . BS

SANG HERK PARK . MS  
CHANG HEI LEE . MA  
CHOON CHUL CHOI . PhD  
JONG DAE REW . BS  
YOUNG SOO EO . BS  
CHONG YOUNG LIM . BS  
SEUNG RYEO LEE . BS  
NAM HOON JUNG . BS  
SEUNG RAE KIM . BA  
JONG DAE JEON . BA  
MUNG SUN SHIM . LLB  
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LUN JONG CHOI . BS  
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# PARK, KIM & PARTNER

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OF COUNSEL

MARC A. MILLER  
(U.S. PATENT ATTORNEY)

December 30, 1996

VIA FACSIMILE

Joseph A. Kolasch, Esq.  
BIRCH, STEWART, KOLASCH & BIRCH  
P.O. Box 747  
Falls Church, Virginia 22040-0747  
U.S.A.

決裁	後送	相當	検討	部長	所長
裁	裁	裁	裁	裁	裁

Re: Maintenance fees for LG ELECTRONICS INC.

Dear Mr. Kolasch:

As of January 1, 1997, the patentee Goldstar Co., Ltd. (now LG Electronics Inc.) is paying the patent annuities for all their patented cases via Computer Patent Annuities (CPA) of St. Helier, Jersey, Channel Islands. Accordingly, please do NOT send us further reminders for payment of the maintenance fees regarding the U.S. patents in the name of Goldstar Co. Ltd..

As you may know, Goldstar Co., Ltd. has changed its company name to LG Electronics as of February 28, 1995.

For your reference, we are enclosing herewith a list of patented cases of Goldstar Co., Ltd. handled by your firm. Kindly inform us of any patented case which you are prosecuting but has not been listed.

In view of possible future litigation, you are kindly requested to maintain all respective application files. Additionally, we ask you to continue handling prosecution in all matters for all pending or any future applications in the name of Goldstar Co., Ltd./LG Electronics Inc., until such applications are granted. After grant, the payment of the maintenance fees will be handled by CPA.

Please acknowledge safe receipt of these instructions. Your kind assistance in this matter would be highly appreciated.

Very truly yours,  
PARK, KIM & PARTNER.

Jang Won Park

JWP/mol  
Encl.





150-721 서울특별시 양정로 20  
LG트윈타워  
전화 : 02-787-1114 FAX : 02-787-3400  
3397-7052

1997. 1. 22

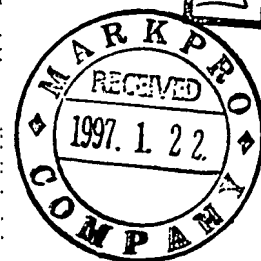
수신: (주) 마크프로 이문기 대리

발신: LG전자(주) 윤 두현

제목: 특허 Data 정정 건

요청하신 특허 Data를 유첨과 같이 작성하여 보내드려  
업무완료 바랍니다.

BATCH 16.17





LG Electronics

LG Twin Towers, 20 Yoido-dong, Youngdungpo-gu, Seoul, 150-721 Korea  
Telephone: 02-787-1114 Fax: 02-787-3400  
3777-7052

January 22, 1997

To: Assistant Manager Eu-gi Lee, Markpro Company  
From: Du-hyeon Yun, LG Electronics  
Subject: Correction of Patent Data

Please find enclosed for your information corrections to the patent data you requested.

[Stamps]  
Batch 16.17  
Markpro Company: Received January 22, 1997.

BIRCH, STEWART, KOLASCH & BIRCH,

INTELLECTUAL PROPERTY LAW  
8110 GATEHOUSE ROAD

SUITE 500 EAST  
FALLS CHURCH, VA 22042

USA

(703) 205-8000

FAX: (703) 205-8050

(703) 698-8590 (G IV)

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EDWARD H. VALANCE  
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\*ADMITTED TO A BAR OTHER THAN VA.

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MARYANNE LIOTTA, Ph.D.

January 24, 1997

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Gwang Hwa Moon  
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Seoul 110-608  
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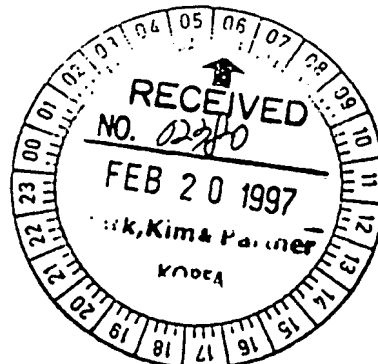
Re: LEE, Je Hyung et al - Serial No.: 08/227,281  
Your Ref. No.: PA/GS/94228 - Our Ref. No.: 0630-0401P

Dear Colleague:

We are pleased to enclose the Official Letters Patent grant which was issued on December 24, 1996 in connection with the above-mentioned application.

The above-identified patent will be enforceable for the greater of seventeen years from the date of grant or twenty years from the date of filing. In this particular case, the patent will expire on April 13, 2014.

We appreciate the opportunity to assist you in obtaining this patent. We look forward to working with you in connection with future projects.

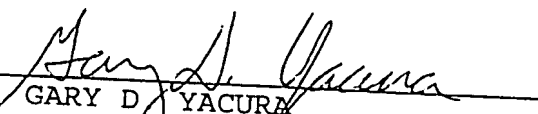


Park, Kim & Partner  
January 24, 1997  
Page 2

As you may know, the first maintenance fee is due 3 1/2 years from the issue date. In order that we may keep you informed of the necessity for the payment of the maintenance fees, please keep us informed of your current address.

Very truly yours,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

y   
GARY D. YACURA

Enclosures: Official Letters Patent  
3 Copies of Patent

per

LG Electronics [illegible address]

March 18, 1997

To: Jang-won Pak Patent & Law Office (Fax: 548-6851)

CC: General Manager Seung-ryeol Kim

From: Du-hyeon Yun, LG Electronics (Fax: 3777-5151)

Subject: Request for Verification of Data Related to Payment of Annual Fees for Foreign Patents

1. May your office prosper.
2. We want to verify data needed to pay annual fees for foreign registered patents. Please see the information below and make corrections [as necessary].
3. I know you are busy with work, but please do me a favor and contact me some time on March 19. (Urgent issue)

File No.	Division	Patent No.	Verification Request Details
H80	Living (Research)	United Kingdom 2188375	Current (final) status -- Said was removed in 1993 from CPA. [Meaning of sentence vague in original. Alternative translation: "CPA said was removed in 1993."]
H207	Cooking Appliances	1214409/1290405	Registration Number, Registration Date
93059G3	Cooking Appliances	NI-73294/NI-7379	Registration Number, Registration Date
H211	Cooking Appliances	1290405/8714925	Registration Number, Registration Date
H596	Video	90106676.1/27345	Registration Number, Registration Date
H758	Cooking Appliances	2240421	Registration Number, Application Number
93244G4	LCD	2697946/26949746	Registration Number, Registration Date
91188G1	TV	5493338	Registration Number, Registration Date
H371	Audio	5060094/5136443	Registration Number, Registration Date, Application Number
94075G1	VDP	5543681	Registration Number, Registration Date
93149G1	Cooling Devices	5398430/5398599	Registration Number, Registration Date, Application Number
91024G1	Institute of Technology	5282056/5335087	Registration Number, Registration Date, Application Number

-- End --

